

# NEW AND INTERESTING RECORDS OF ADVENTIVE PLANTS FROM THE AUCKLAND INSTITUTE AND MUSEUM HERBARIUM 8

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*Abstract.* This eighth list of some recent additions to the Auckland Institute and Museum Herbarium (AK) and re-determinations of earlier gatherings provides new records for some adventive species and further information on the distribution of others.

In addition to material provided as in former years by various collectors, in particular by Mr A.E. Esler of D.S.I.R., Botany Division, Auckland, a number of specimens have been obtained by exchange with D.S.I.R., Botany Division, Christchurch (CHR) and the National Museum, Wellington (WELT). From these sources voucher specimens for new records have been acquired and gaps in the AK Herbarium have been filled in.

The nomenclature adopted in this paper is that published by the New Zealand Weed and Pest Control Society (1969) except for species dealt with in volume 3 of the *Flora of New Zealand* (Healy & Edgar 1980) and in the series of checklists published in the *New Zealand Journal of Botany* from 1978 onwards by members of the D.S.I.R., Botany Division staff at Christchurch.

All specimens are cited by the AK number and, where these are provided, by the collectors' numbers. Unless otherwise stated the specimens may be regarded as the only material of the species possessed by the Herbarium and, where no previous literature is cited, as first records to the best of my knowledge at the time of writing.

## RANUNCULACEAE

*Ranunculus ophioglossifolius* Vill.

Waitomo Co., Te Kuiti, in roadside drain, 1928, H.H. Allan, AK 12757, as *R. flammula*.

The above gathering, re-determined by Dr. Garnock-Jones, comes from Te-Kuiti, one of the original localities cited by Healy (1957), the other being Kawhia. No further distribution is given in Garnock-Jones (1981).

## PAPAVERACEAE

*Papaver somniferum* L. subsp. *somniferum*

Tuapeka Co., Roxburgh Dam, 1958, K. Wood, AK 50527; Auckland, Emily Place, 1981, A.E. Wright 3824, AK 152011.

Garnock-Jones (1979) gives the first record for the opium poppy as Cheeseman (1883), where Devonport and Ponsonby are cited as localities. A note on the label of the second gathering above reads ‘Population has persisted in waste ground for 3 to 4 years’. Since Cheeseman’s time several authors (e.g. Thomson 1922, Allan 1940), have recorded the poppy but in general have remarked on its scarcity as a naturalised plant.

## BRASSICACEAE

*Lepidium desvauxii* Thell.

South Westland, Waiho Bluff, coastal talus at foot of moraine cliffs, 1972, P. Wardle, AK 150726, (Dupl. ex CHR 218715).

The first published record for this species appears in Garnock-Jones (1979), where the distribution is given as South and Stewart Islands.

*Lepidium divaricatum* Ait.

Buller Co., near Westport, railway line, W. Townson 243, AK 65469-70, det. P.J. Garnock-Jones.

This gathering was previously determined by H.H. Allan as *L. virginicum*. The first published record is also to be found in Garnock-Jones (1979), where it is stated that Westport is the only known locality for this species.

## CUCURBITACEAE

*Cucurbita ficifolia* Bouché

Auckland, Panmure, Oran Road, 1981, A.E. Esler, AK 153922.

A note with this specimen, presented by Mr Esler, states ‘climbing over trees in park; perpetuating itself from unharvested fruits. Malabar gourd, but known in Auckland as pie-melon’. It was first recorded by Sykes (1982).

## BEGONIACEAE

*Begonia semperflorens* Link & Otto

Auckland, Mt. Wellington lava fields, 1973, A.E. Wright 526, AK 134531.

This begonia also grew wild on One Tree Hill and Mangere Mt. according to a note with the specimen above: it is also known to Mr Esler in the Auckland area. Also first recorded by Sykes (1982).

## EUPHORBIACEAE

*Euphorbia maculata* L.

Auckland, Auckland Railway Station, occasional in pavements, 1981, A.E. Esler, AK 153921.

This is in addition to the specimen (A.E. Wright 2053) cited in Bangerter (1978), where a Cheeseman specimen (Auckland, AK 74945) was erroneously recorded. The error arose from the fact that, as pointed out by Webb (1981), *E. nutans* was sometimes

known in New Zealand as *E. maculata*; Cheeseman's plant was under the former name. True *E. maculata* has appressed hairs on the capsules and usually purple-blotched leaves, unlike *E. nutans*, and was not recorded until 1969, as stated in Webb (1981).

*Euphorbia platyphyllos* L.

Auckland, Mt. Albert, railway margin, 1980, A.E. Esler, AK 153920.

Warted spurge was first recorded by Allan (1935) from "waste places about Auckland City", the same area given in Allan (1940). Webb (1981) adds Wellington to the distribution but I have traced no further records.

#### CAESALPINIOIDEAE

*Cassia tomentosa* Linn.f.

Franklin Co., north end of Wairoa Gorge, R.O. Gardner 2810, AK 153001.

The first record for this buttercup tree is in Webb (1980), where the known distribution is given.

#### MIMOSOIDEAE

*Acacia floribunda* (Vent.) Willd.

Hutt Co., by Paraparaumu Airport on roadside, 1981, G. Straka 308, AK 154352.

First recorded by Webb (1980), gossamer wattle is known from few stations and the above adds a further locality to its distribution.

#### PAPILIONOIDEAE

*Teline linifolia* (L.) Webb & Berth.

Hawkes Bay Co., Napier, Bluff Hill, coastal cliffs, 1980, C.J. Webb, AK 151624, (Dupl. ex CHR 362822).

The above locality is the only one cited in Webb (1980); the specimen was acquired by exchange with CHR. A note on the label reads "Common, naturalised at base of cliffs near wharf area, numerous seedlings well established."

*Trifolium angustifolium* L.

Opotiki Co., Te Kaha, Bay of Plenty, roadside, 1981, D.R. Miller, AK 153929.

Some localities in both Islands are given in Healy (1976), where the narrow-leaved clover is said to be "a rare casual". Webb (1980) gives the first record as Allan (1940) "near Auckland". Mr Esler kindly presented the specimen.

#### COMPOSITAE

*Centaurea nigra* L.

Matamata Co., Matamata, Arawa Street, waste ground, 1977, A.E. Wright 2047, AK 142912; Manukau City, Puhinui Stream, roadside on grassy strip, 1978, A.E. Esler & M.L. Scott, AK 144031.

Knapweed was listed by Kirk (1870) and Smith (1904) recorded it for Ashburton. Subsequent authors, remarking on its uncommon occurrence in general, have not cited precise localities or have merely repeated the early records.

*Crepis setosa* Haller f.

Auckland, Remuera, T.F. Cheeseman, AK 89881-6 (six sheets); Auckland, Mt. Hobson Road, Jan. 1945, A. Wall, AK 33820, in Herb. B. Molesworth as *Picris hieracioides?*; Feb. 1945, A. Wall, AK 91224, as *Tolpis?*

Bristly hawkbit has been recorded in New Zealand from early times; it was known to Kirk (1899) from Remuera. Its distribution in both Islands is summarised in Healy (1976). The AK Herbarium, however, has only the above gatherings, including the two formerly mis-identified specimens.

*Erigeron pusillus* Nutt.

Mangonui Co., Whale Island, Moturoa group off Karikari Peninsula, 1976, A.E. Wright 1164, AK 140180.

At first thought to be *E. canadensis* this specimen provides a further record for *E. pusillus* to that published by Bangerter (1977). A further reference in the literature is Healy (1954).

*Xanthium pungens* Wallr.

Matamata Co., Matamata, Station Road, 1981, R.F. Ward, AK 152930.

Powell (1968) listed this species as harmful, entering the country by way of seed as a horticultural item. The specimen above was presented by Mr. Esler; a note indicates that it was "growing in an asparagus crop, previously in maize, common."

LOBELIACEAE

*Lobelia erinus* L.

Auckland, naturalised on sea-cliffs Parnell, 1980, A.E. Esler, AK 152042; Waitemata Co., Waitakere Range, Waiatarua, 1980, J. Mackinder, AK 154846.

Armstrong (1880) first recorded this lobelia from Canterbury, repeated by subsequent authors. Its recent distribution in both Islands is to be found in Sykes (1981).

LABIATAE

*Galeopsis tetrahit* L.

Manukau Co., Otahuhu, naturalised, T.F. Cheeseman, AK 94384.

Although this specimen of hemp-nettle is undated, Cheeseman (1883) published the first record from Otahuhu, Jan. 1881; this was repeated by Thomson (1922) and Allan (1940). Healy (1969) listed it for Canterbury and Matthews (1975) stated "occasional in crops near Auckland". According to Sykes (1978) the known distribution remained as Auckland and Canterbury.

## LILIACEAE

*Aloe saponaria* (Aiton) Haw.

Rodney Co., abundant on steep banks above road down to Leigh Wharf, 1981, A.E. Wright 4157, AK 154991-2.

Cheeseman (1883) first recorded this aloe as *A. latifolia* Haw., the record being repeated by Thomson (1922) and Allan (1940). A Cheeseman gathering from Remuera (AK 94788) is cited in Healy & Edgar (1980), where a description and distribution of the species are given.

*Asparagus sprengeri* Regel

Auckland, Tamaki Drive, large clump naturalised on water-front cliffs, 1976, A.E. Wright, AK 152026; 1980, A.E. Wright 3623, AK 152027.

A description of this species may be found in Bailey (1924). The two gatherings above indicate the occurrence of the plant for at least four years.

*Kniphofia uvaria* Hook.

Waitemata Co., Waitakere Range, Piha Road, roadside, 1981, J. Mackinder, AK 155015.

No previous record for this garden escape has been found and it does not appear in Healy & Edgar (1980). Bailey (1924) has a description.

*Lilium formosanum* A. Wallace

Waitemata Co., Waitakere Range, Scenic Drive, 1980, J. Mackinder, AK 154848.

The first record for this lily was published by Healy & Edgar (1980), including its distribution, which is limited to the North Island.

## ALSTROEMERIACEAE

*Alstroemeria aurantiaca* D. Don

Hutt Co., Upper Hutt, Bridge Road, streamside under broom, 1979, P.J. Brownsey, AK 152742; Waitemata Co., Waitakere Range, Te Henga Road, 1980, J. Mackinder, AK 154841.

In Healy & Edgar (1980) Upper Hutt is given as the locality for the first collection of this plant and Healy (1958) as the first record. Additional notes on the label of the first gathering above state ‘‘well established group of plants at the top of a roadside bank above dumped rubbish’’. The second gathering extends the distribution further north than stated in Healy & Edgar (1980). Esler (1978) lists the plant for Manawatu and Adams (1980) provides an illustration.

## IRIDACEAE

*Babiana stricta* Ker-Gawl.

Rodney Co., Whangaparaoa Peninsula, Manly, Reserve above cliff, 1980, J.H. Goulding 936, 937, AK 152034-5.

The first published record for this species is in Healy & Edgar (1980), the locality for the first collection being the Waikumete Cemetery in Auckland. Goulding specimen 936 above is noted as having deep bluish-purple flowers and 937 reddish-purple.

*Ixia polystachya* L.

Hokianga Co., Waipoua State Forest, Kawerua, 1978, A.E. Wright 2684, AK 145538; Rodney Co., Whangaparaoa Peninsula, Tindalls Bay, roadside, 1979, J.H. Goulding 923, 940, AK 145538, 151724.

The first published record for this species is in Healy & Edgar (1980) and the gatherings above add two localities to its distribution. The only other specimen in the AK Herbarium is from Kaihu, from where it was already known.

*Lapeirousia laxa* (Thunb.) N.E. Brown

Rodney Co., Whangaparaoa Peninsula, Tindalls Bay, 1980, J.H. Goulding 935, AK 152036.

A note with this specimen states "one clump near the edge of cliff"; it may therefore be regarded as growing wild. A garden specimen from the same area was recorded in Bangerter (1976). Healy & Edgar (1980) correctly attribute the first published record of a naturalised *Lapeirousia* from Parnell, Auckland, also to Bangerter (1976).

*Tritonia lineata* (Salisb.) Ker-Gawl.

Auckland City, Kingsland, railway margin, 1979, A.E. Esler, AK 152044.

The first record for this species is in Healy & Edgar (1980), where the first collection is stated to be from Wellington by A.J. Healy in 1945. Mr Esler presented the above specimen.

#### CYPERACEAE

*Carex sylvatica* Huds.

Taranaki, North Egmont Road, 1975, R.O. Gardner 991, AK 151343, det. E. Edgar.

Notes accompanying this gathering state "second New Zealand record" and "edge of forest; tall, loose, yellow-green tufts". Reference to Healy & Edgar (1980) shows that the first record was published in 1973 and the first collection was made in 1969 from the Wainuioru Valley.

#### GRAMINEAE

*Digitaria violascens* Link

Bay of Islands Co., Kawakawa, 1981, A.E. Esler, AK 153925.

This gathering, presented by Mr Esler, is the second in the AK Herbarium and indicates a distribution northwards from the first recorded occurrence (Bangerter 1980). Noted on the label as "locally abundant on gravel track in scrubland".

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